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(54) Title: **EXPRESSION SYSTEM FOR PREPARING IL-15/Fc FUSION PROTEINS AND ITS USE**

(57) Abstract: The invention relates to an expression system containing one or more nucleic acid(s) comprising at least one nucleic acid for an interleukin 15/Fc (IL- 15/Fc) fusion protein, at least one promotor, at least one nucleic acid for a CD5 leader and, where appropriate, at least one nucleic acid for a selectable marker gene; to a nucleic acid comprising the components of the said expression system and to a host cell containing the expression system or the nucleic acid. Furthermore, the invention relates to a process for preparing an IL-15/Fc fusion protein, using the expression system, and to the use of the expression system, the nucleic acid, the host cell or the CD5 leader for expression in host cells.